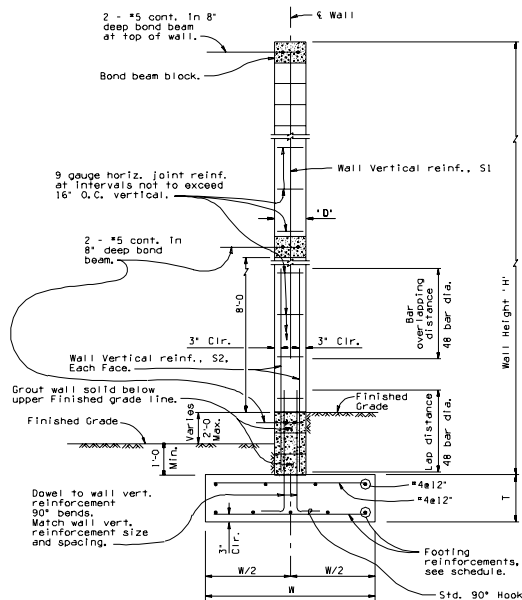


This is a design prepared in accordance with the Standard Detail has been prepared in accordance with recognized engineering practices and is not intended to be used as a basis for construction. The user of this detail shall be responsible for its use and shall consult with the design engineer for any modifications. The design engineer shall be responsible for its use and shall consult with the design engineer for any modifications.

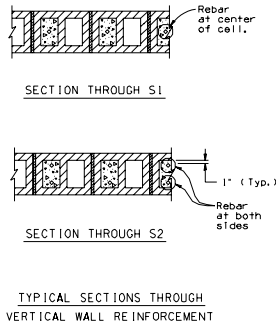
NO.	REVISION	DATE	BY	CHKD.
1	Initial Issue	11/11/81	W. S. Smith	W. S. Smith
2	Revised Detail	11/11/81	W. S. Smith	W. S. Smith
3	Revised Detail	11/11/81	W. S. Smith	W. S. Smith



TYPICAL WALL SECTION
(For Wall Height 18'-0\"/>

WALL SCHEDULE								
Wall Height H	Wall Thickness D	Footing Depth T	Footing Width W	Reinforcing				Min. Req. All- Available Soil Bearing Capacity (psf)
				Wall, Vertical		Footing		
				S1 Size & Spacing	S2 Size & Spacing	Trans- verse	Longi- tudinal	
18'-0 to 19'-11	12"	1'-9	6'-0	#5@16"	#5x6'-6 @ 16"	#5@12"	5-#5	2,300
20'-0 to 21'-11	12"	2'-0	6'-3	#6@16"	#6x6'-6 @ 16"	#5@12"	6-#5	2,500
22'-0 to 23'-11	12"	2'-0	6'-6	#8@16"	#6x6'-6 @ 16"	#5@12"	6-#5	2,500
24'-0 to 26'-0	12"	2'-0	6'-9	#8@16"	#7x8'-0 @ 16"	#5@12"	7-#5	2,500

* Nominal Dimension



TYPICAL SECTIONS THROUGH
VERTICAL WALL REINFORCEMENT

NOTE:

See DWG. SD 8.02 (1 of 2)
* WALL DETAILS AT JOINTS
AND ENDS for details not
shown here.

GENERAL NOTES: (Continued)

Special Inspection Notes:

Special inspection and testing, provided by the Department, are required for the masonry noise wall system to assure quality materials and construction.

(A) Pre-construction:

- 1) Verify correct block type to be used.
- 2) Verify correct mortar and grout to be used.
- 3) Verify the location, spacing, size and lap length of vertical reinforcing dowel bars and wall reinforcement that is within plus or minus $\frac{1}{2}$ " of the plan dimension as measured normal to the wall and plus or minus 2" in the longitudinal direction.
- 4) Verify that masonry units are clean and free from dirt when placed in the wall. Masonry units shall be dry before placement.

(B) Construction:

- 1) Observe, periodically, the placement of the masonry units and the making of the mortar. Verify that the initial bed joint thickness is not less than $\frac{1}{4}$ " or more than 1"; subsequent bed joints shall not be less than $\frac{1}{4}$ " or more than $\frac{3}{4}$ " in thickness.
- 2) Observe all grout placements.
- 3) Verify horizontal joint reinforcing size, location, and spacing.
- 4) Verify that all concrete masonry units are placed in uniform and true course, level and plumb with a tolerance of $\frac{1}{4}$ " in 8' non-cumulative.
- 5) Verify that concrete masonry units are placed to the desired height with joints of uniform thickness. Level, plumb and straighten before the mortar stiffens. Bond shall be plumb throughout.
- 6) Verify that all concrete masonry units are cured by sprinkling twice a day for minimum of 2 days.

<i>Shafi K. Hassan</i> <i>Tam A. Nohme</i>		ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION BRIDGE GROUP STRUCTURE DETAIL SOUND BARRIER WALL (MASONRY)
DWG. NO. _____ TRACS NO. _____	SD 8.02 (2 of 2) OF _____	